

O I P E  
FEB 05 2004  
U.S. PATENT & TRADEMARK OFFICE  
SEQUENCE LISTING

<110> JOHANNES, Ludger, et al.

<120> UNIVERSAL CARRIER FOR TARGETING MOLECULES TO GB3 RECEPTOR EXPRESSING CELLS

<130> 2121-0176P

<140> US 10/628,415

<141> 2003-07-29

<150> PCT/EP 02/01627

<151> 2002-02-01

<150> EP 01400255.4

<151> 2001-02-01

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 90

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Universal  
carrier

<400> 1

Met Lys Lys Thr Leu Leu Ile Ala Ala Ser Leu Ser Phe Phe Ser Ala  
1 5 10 15

Ser Ala Leu Ala Thr Pro Asp Cys Val Thr Gly Lys Val Glu Tyr Thr  
20 25 30

Lys Tyr Asn Asp Asp Asp Thr Phe Thr Val Lys Val Gly Asp Lys Glu  
35 40 45

Leu Phe Thr Asn Arg Trp Asn Leu Gln Ser Leu Leu Ser Ala Gln  
50 55 60

Ile Thr Gly Met Thr Val Thr Ile Lys Thr Asn Ala Cys His Asn Gly  
65 70 75 80

Gly Gly Phe Ser Glu Val Ile Phe Arg Cys  
85 90

<210> 2

<211> 270

<212> DNA

<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Polynucleotide

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acgcctgatt gtgttaactgg aaagggtggag tataaaaaat ataatgatga cgataacctt 120  
acagttaaag tgggtgataa agaattattt accaacagat gaaatctca gtctttctt 180  
ctcagtgcgc aaattacggg gatgactgta accattaaaa ctaatgcctg tcataatgga 240  
gggggattca gcgaaggttat ttttcgttgc 270

<210> 3  
<211> 37  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer A

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agcgaagtta ttttcgttg ttgactcaga atagctc 37

<210> 4  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer B

<400> 4  
gagctattct gagtcaacac gaaaaataac ttc 33

<210> 5  
<211> 17  
<212> DNA  
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<223> Description of Artificial Sequence: Primer A'

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<221> misc\_feature  
<222> (1)..(17)  
<223> Primer ShigaAtpE

<400> 5  
cactactacg ttttaac 17

<210> 6  
<211> 15  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer B'

<220>  
<221> misc\_feature  
<222> (1)..(15)  
<223> Primer Shiga-fd

<400> 6  
cggcgcaact atcgg 15

<210> 7  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic peptide derived from chicken ovalbumin

<400> 7

Leu Glu Gln Leu Glu Ser Ile Ile Asn Phe Glu Lys Leu Thr Glu Trp  
1 5 10 15

Ser Leu Lys Ile Ser Gln Ala Val His Ala Ala His Ala Glu Ile Asn  
20 25 30

Glu Ala Gly Arg  
35